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| CONTACT INFORMATION | Fermilab PO Box 500 MS 209 Batavia, IL 60510-5011 | <i>E-mail:</i> adama@fnal.gov <i>Phone:</i> (503)-380-0689 |
| EMPLOYMENT AND EDUCATION | Fermilab , Wilson Fellow | 2019-present |
| | University of Chicago , Associate Fellow | 2015-present |
| | Fermilab , Lederman Postdoctoral Fellow Advisor: Bradford Benson | 2015-2019 |
| | Massachusetts Institute of Technology , Ph.D., Physics Advisor: Enectalí Figueroa-Feliciano | 2010-2015 |
| | University of Chicago , A.B., Physics, Mathematics, with honors Advisor: Ed Blucher | 2006-2010 |
| AWARDS AND HONORS | DOE Office of Science Graduate Fellowship | 2012-2015 |
| | NSF Graduate Research Fellowship , <i>declined</i> | 2012-2015 |
| | Presidential Fellowship , MIT | 2010-2011 |
| | Lewis Prize , University of Chicago, Dept. of Physics | 2010 |
| | Phi Beta Kappa | 2010 |
| | Grainger Fellowship , University of Chicago, Dept. of Physics | 2009-2010 |
| | College Honor Scholarship , University of Chicago | 2006-2010 |
| TEACHING | Seminar XL lead facilitator , MIT | Fall 2011 |
| | College Core Tutor , University of Chicago | September 2008-June 2010 |
| GRAD STUDENTS MENTORED | Andrea Bryant (Chicago): GEM intern at Fermilab | Summer 2017 |
| UNDERGRADUATES MENTORED | Taryn Imamura (Stanford → PhD, Carnegie Mellon): SIST intern at Fermilab | Summer 2018 |
| | Josémanuel Hernandez (Northwestern): SIST intern at Fermilab | Summer 2018 |
| | Cory Cotter (Wisconsin → PhD, Chicago): SULI intern at Fermilab | Summer 2017 |
| | AJ Corso (Chicago → PhD, UPenn): summer research | Summer 2016 |
| | Chandler Schlupf (MIT → PhD, UCLA): UROP research, senior thesis | 2012-2014 |
| | Natalia Guerrero (MIT → PhD, Royal Holloway): UROP research | Spring 2012 |
| HIGH-SCHOOL STUDENTS MENTORED | Arielle Pfeil: QuarkNet intern at Fermilab | Summer 2017 |
| | Antony Simonoff: QuarkNet intern at Fermilab | Summer 2017 |
| | Ben Hardin: QuarkNet intern at Fermilab | Summer 2016 |
| | Ryan Thornton: QuarkNet intern at Fermilab | Summer 2016 |

CONFERENCES
AND TALKS

- CPAD Instrumentation Frontier Workshop 2019, invited talk: *KIDs for Next-Generation CMB Experiments*
December 2019
- Topics in Cosmic Neutrino Physics, plenary talk: *Prospects for Neutrino Physics with SPT-3G and Future CMB Experiments*
October 2019
- Low-Temperature Detectors 18, poster: *Performance of Al-Mn Transition-Edge Sensor Bolometers in SPT-3G*
July 2019
- Rencontres de Blois, parallel talk: *SPT-3G and Recent Results from the South Pole Telescope*
June 2018
- Low-Temperature Detectors 17, plenary talk: *SPT3G: A Multichroic Receiver for the South Pole Telescope*
July 2017
- 8th INFIERI Workshop, plenary talk: *SPT3G: A New Receiver for the South Pole Telescope*
October 2016
- Fermilab Users Meeting, plenary talk: *Cosmology with the South Pole Telescope*
June 2016
- International Conference on Particle Physics and Cosmology, parallel talk: *Low-Energy Analysis of Data from SuperCDMS Soudan*
August 2014
- APS April Meeting, contributed talk: *Backgrounds and Discrimination Algorithms for Low-energy SuperCDMS Soudan Data*
April 2014
- Rencontres de Moriond, Electroweak, plenary talk: *Constraints on Light WIMPs with SuperCDMS*
March 2014
- Low-Temperature Detectors 15, poster: *Phonon Event Analysis in SuperCDMS iZIP Detectors*
June 2013
- APS April Meeting, contributed talk: *Underground Performance of SuperCDMS iZIP Detectors*
April 2013
- Rencontres de Moriond, Electroweak, student talk: *Coherent Neutrino Scattering with Cryogenic Semiconductor Detectors*
March 2012
- Low-Temperature Detectors 14, poster: *Simulations of Phase-Separated Transition-Edge Sensors for SuperCDMS*
August 2011
- APS April Meeting, contributed talk: *Simulations of Transition-Edge Sensors for SuperCDMS*
May 2011

SEMINARS

- Perimeter Institute: Particle Physics Seminar: *CMB with SPT-3G: Recent Results and Constraining Axions with CMB Polarization Rotation*
June 2020
- SLAC, KIPAC Tea Talk: *SPT-3G: High-Resolution CMB Science at the South Pole*
April 2020
- Fermilab, Particle Astrophysics Seminar: *SPT-3G and Next-Generation CMB Experiments*
April 2019
- University of Toronto, Astro Seminar: *Probing Fundamental Physics with the South Pole Telescope and Beyond*
February 2019
- Princeton University, Gravity Group Seminar: *SPT3G: Deployment and Science of a New Camera for the South Pole Telescope*
April 2017
- University of Michigan, HEP/Astro/Nuclear Seminar: *SPT3G: Fundamental Physics with a New Receiver for the South Pole Telescope*
September 2016
- Yale University, Weak Interactions Discussion Group: *Light WIMPs and Sterile Neutrinos with Cryogenic Detectors*
May 2015

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| | Lawrence Berkeley National Lab, Research Progress Meeting: <i>Extending the Reach of SuperCDMS for Dark Matter Searches</i> | December 2014 |
| | Brookhaven National Lab, Particle Physics Seminar: <i>Probing Light WIMPs with SuperCDMS</i> | May 2014 |
| PROFESSIONAL SERVICE | Referee for: Journal of Cosmology and Astroparticle Physics, Journal of Low Temperature Physics | |
| | Editorial reviewer for: Cambridge University Press | |
| PUBLIC TALKS | After School Matters: <i>Looking Back in Time: Cosmology from the South Pole</i> | June 2020 |
| | Fermilab Ask-a-Scientist: <i>Looking Back in Time: Cosmology from the South Pole</i> | June 2020 |
| | Fermilab Saturday Morning Physics: <i>Extragalactic Astronomy</i> | April 2020 |
| | Fermilab Saturday Morning Physics: <i>Cosmology</i> | November 2019 |
| | Lifelong Learning Institute: <i>Cosmology and the Early Universe</i> | September 2018 |
| | MIT Kavli Institute IAP Seminar: <i>Hunting Dark Matter</i> | January 2015 |
| | MIT Kavli Institute IAP Seminar: <i>Hunting Dark Matter</i> | January 2014 |
| | MIT Astronomical Event: <i>Dark Matter Searches</i> | October 2012 |
| OUTREACH ACTIVITIES | Co-Director, Saturday Morning Physics, Fermilab | Fall 2019-present |
| | Volunteer for Ask-a-Scientist, Fermilab | March 2018 |
| | Dark Matter Day Panelist, Dark Matter Coffee | October 2017 |
| | Organizer for Saturday Morning Physics, Fermilab | Fall 2015-Spring 2019 |
| | Career panelist for “High Energy... High Ambition,” Fermilab | April 2017 |
| | Volunteer with Quarknet Radio Telescope, Fermilab | October 2015-August 2016 |
| | Fermilab Family Open House: panelist for “A Day in the Life” | February 2016 |